

TSSC4, 1-329aa, Human, His tag, E.coli

Cat.NO.: TP04328

3th Edition

Synonyms:Tumor suppressing subtransferable candidate 4, tumor suppressing STF cDNA 4

Description:TSSC4 (tumor suppressing subtransferable candidate 4), also known as tumor suppressing STF cDNA 4 protein, belongs to the TSSC4 family. This protein is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. It plays a role in malignancies and disease that involve this region as well as hematopoietic cell function This protein was widely expressed in nearly all adult tissues, TSSC4 is also found in fetal liver, lung, kidney and brain. Recombinant human TSSC4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT,20% glycerol, 200mM NaCl

Molecular Weight:36.8kDa (353aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMAEAGTGEPSPSVEGEHGTEYDTLPSDTVLSLSDSDSLSLPGGAEVEALS
PMGLPGEEDSGPDEPPSPPSGLLPATVQPFHLRGMSSTFSQRSRDIFDCLEGAARRAPSSVAHTSMSDNGGFKR
PLAPSGRSPVEGLGRAHRSPASPRVPPVPDYVAHPERWTKYSLEDVTEVSEQSNQATALAFLGSQSLAAPTDCVS
SFNQDPSSCGEGRVIFTKPVRGVEARHERKRVLGKVGEPGRGGLGNPATDRGEGPVELAHLAGPGSPEAEWGS
PHGGLQEVEALSGSVHSGSVPLPPVETVGFHGSRKRSRDHFRNKSSSPEDPGAEV

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.